

Abstract of the Disclosure

A CDMA mobile communication system includes a base station and a mobile station. The base station includes a monitor section, calculating section, and notification section. The monitor section monitors a forward-link transmission power value radiated to the mobile station. When the forward-link transmission power value becomes smaller than a predetermined steady output value, the calculating section calculates system parameter information of the mobile station, which corresponds to the reduced forward-link transmission power value. The notification section notifies the mobile station of the system parameter information of the mobile station. The mobile station includes a transmission power control section. When the mobile station in the standby state starts originating/terminating operation to/from the base station, the transmission power control section controls the transmission power value of the reverse-link control channel from the mobile station on the basis of a value obtained from the reception field strength value of the forward-link control channel from the base station and the system parameter information of the mobile station. A transmission power control method for the above system is also disclosed.